

## FARI B - FEE(S) TRANSMITTAL

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Mail Stop ISSUE FEE  
Commissioner for Patents  
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11/03/2005

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CHICAGO, IL 60606

02/02/2006 TBESHAH2 00000015 190733 09745301

01 FC:1501 1400.00 DA  
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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Thomas Wilson (Depositor's name)  
Thomas Wilson (Signature)  
02-01-06 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09745301	12/22/2000	Anand Kannan	05245.00001	6994

TITLE OF INVENTION: METHOD AND APPARATUS FOR ERROR REDUCTION IN AN ORTHOGONAL MODULATION SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	02/03/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
BAYARD, EMMANUEL	2638	375-260000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Arjun Krishnan

Banner &amp; Witcoff, Ltd

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Nokia Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Espoo, Finland

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies

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- ☐ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 19-0733 (enclose an extra copy of this form).

5. Change in Entry Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or an assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Kenneth F. Smolik

Date 02-01-2006

Typed or printed name Kenneth F. Smolik

Registration No. 44,344

This collection of information is required by 37 CFR 1.311. The information is required to obtain a benefit by the public which is to file (and submit) the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of the fee(s) or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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FAX: 312.463.5001  
www.bannerwitcoff.com**FACSIMILE TRANSMITTAL SHEET**

<b>TO:</b>	<b>FROM:</b>
MAIL STOP ISSUE FEE	Kenneth F. Smolik
<b>COMPANY:</b>	<b>DATE:</b>
U.S. Patent Office	02/01/2006
<b>FAX NO.:</b>	<b>TOTAL NO. OF PAGES: (including cover sheet)</b>
571-273-2885	4
<b>YOUR REFERENCE NO.:</b>	<b>OUR REFERENCE (C/M) NO.:</b>
09/745,301	005245.00001
<b>RE:</b> U.S. Patent Appln. No. 09/745,301 In re: Anand Kannan Method and Apparatus for Error Reduction in an Orthogonal Modulation System	

*If you do not receive all page(s) or have any problems receiving this transmission, please call.*

<b>NAME:</b>	<b>PHONE:</b>
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ISSUE FEE PAYMENT

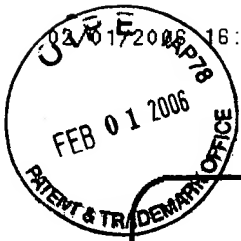
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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

4

Application Number

09/745,301

Filing Date

12/22/2000

First Named Inventor

Anand Kannan

Art Unit

2638

Examiner Name

Bayard, Emmanuel

Attorney Docket Number

005245.00001

**ENCLOSURES (check all that apply)**☒ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/  
Incomplete Application☐ Reply to Missing Parts  
under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a  
Provisional Application☐ Power of Attorney, Revocation  
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) \_\_\_\_\_☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board  
of Appeals and Interferences☐ Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s)  
(please identify below)Part B-Fee(s) Transmittal  
Facsimile Cover Sheet**Remarks**

The Commissioner is hereby authorized to charge any deficiencies in payment or credit any overpayment to our Deposit Account 19-0733.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm

Banner &amp; Witcoff, LTD.

Signature

Printed Name

Kenneth F. Smolik

Date

February 1, 2006

Reg. No.

44,344

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

Typed or printed name

Thomas Wilson

Date

02-01-2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and/or the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.  
and pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL  
for FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 1,700.00**Complete if Known**

Application Number	09/745,301
Filing Date	12/22/2000
First Named Inventor	Anand Kannan
Examiner Name	Bayard, Emmanuel
Art Unit	2638
Attorney Docket No.	005245.00001

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : \_\_\_\_\_☒ Deposit Account Deposit Account Number: 19-0733 Deposit Account Name: Banner & Witcoff, L.P.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments  
Under 37 CFR 1.16 and 1.17

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fee Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	---
Design	200	100	100	50	130	65	---
Plant	200	100	300	150	160	80	---
Reissue	300	150	500	250	600	300	---
Provisional	200	100	0	0	0	0	---

**2. EXCESS CLAIM FEES**

Fee Description	Small Entity		Fee Paid (\$)
	Fee (\$)	Fee (\$)	
Each claim over 20 (including Reissues)	50	15	---
Each independent claim over 3 (including Reissues)	200	100	---
Multiple dependent claims	360	180	---
<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 20 or HP = _____ x _____ = _____			
HP = Highest number of total claims paid for, if greater than 20.			
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 3 or HP = _____ x _____ = _____			
HP = Highest number of independent claims paid for, if greater than 3.			

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Issue and Publication Fee

**Fees Paid (\$)**

1,700.00

**SUBMITTED BY**

Signature	<i>Kenneth F. Smolik</i>	Registration No. (Attorney/Agent)	44,344	Telephone	312 463-5000
Name (Print/Type)	Kenneth F. Smolik			Date	02/01/2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1450.

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